

Product datasheet for **MC217796**

Sfmbt1 (BC066188) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sfmbt1 (BC066188) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sfmbt1
Synonyms:	Sfmbt, Smr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC066188
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCGGGGAGCAGCAGCTTGATGCAGATCTGGGTCTGGTGTAGAAGTAGAAGAATTCAGCTGGGAAG
 ATTATCTAGAAGAGACAGGCTCCACCACAGTCCCTACGCATCGTTTAAACATGTGGATATACGTTTGCA
 AAATGGATTTGCTCCTGGGATGAAGCTGGAGGTAGCTCTGAAAAATGACCCTGAGACTTATTGGGTGCC
 ACCATCATCACCGCCTGTGAGCAGTTGCTCCTGCTTCGTTATGAAGGCTATGGGGAAGACCGAAAAGCAG
 ACTTCTGGTGTGACATCAGGAAAGCTGGCCTCTACCCATTGGGTGGTGTGAGCAGAACAAGAAGACCCCT
 CGAAGCTCCAGAAGGCATCAGAGATAAAGTGTCTGATTGGAATGCATTCTACAGCAGACCCTGATAGGA
 GCCTGTGGTCTCCCGTGTCTGCTAGAGGGCCTCCGTAATGGAAGGAATCCTTTAGATCTCATTGCC
 CAGGGTCCAACTAGAATGCCAGGATTTTCGGGACTCTTAAAGCACTGGCTTGTACTGTTGTGGAGAA
 CATTGGGGGACGGTTGAAGCTGCGGTATGAAGGCCTTGAGAGCCGTGACGGTTTTGAACACTGGTTGTAT
 TACTTAGATCCATTTCTTCATCACATTGGTTGGGCTGCTCAGCAAGGATGTGACCTTCAGCCCCATTAG
 CCATCAAACATCTGAAGAGTGAAGCTGACTGGCAAGAGATTTTGCCAAAGTGAAGAGGAAGAGCCATT
 ACCCTCTACTTATTTAAGGATAAGCAAGTTATTGGAACCATGAATTTCTATAAACATGAAGTTGGAA
 GCTGTGGACCCGTGGTCTCCTTTGGGATTTCTCCTGCAACGATTGCTAAGGTGTTTGTGATAAGTACT
 TTCTAGTGGAAATGGATGACCTTCGGCCAGAAGACCATAACAAGGCGATCATTGTGTGCCATGCTAACAG
 TCCTGGTATCTTCTGTGCAGTGGAGTCTAAGAATGGTTTACATATCAATCCTCCTCCAGGCTCCGG
 AGCCAGGACTTTGACTGGCCGACTACCTCAAGCAGTGTGGGGCTGAAGCTGCTCCCAGAAGTGCTTCC
 CGCAGTCAATTTCTGAGCACCAGTTTAAAGGAGAACATGAAACTGGAGGCAGTGAACCTCTTTTCCCTGA
 AGAAGTGTGCATTGCCACCGTTACTGCAGTGAGAGGCTCGTACCTGTGGCTCCAGCTAGAAGGTTCTAAG
 AAGCCTGTACCCGAATTTATTGTAAGTGCAGAGTCGATGAATATTTTCTTTGGGCTGGTGTGAAACCA
 ATGGCCATCCTCTCAGTACTCCTCGCCGGGCACGAGGGCATAAACTGAGGAAAATCGCAGTGGTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC066188

Insert Size: 1398 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC066188](#), [AAH66188](#)

RefSeq Size: 2111 bp

RefSeq ORF: 1397 bp

Locus ID: 54650

Cytogenetics: 14 18.99 cM

Gene Summary: Histone-binding protein, which is part of various corepressor complexes. Mediates the recruitment of corepressor complexes to target genes, followed by chromatin compaction and repression of transcription. Plays a role during myogenesis: required for the maintenance of undifferentiated states of myogenic progenitor cells via interaction with MYOD1. Interaction with MYOD1 leads to the recruitment of associated corepressors and silencing of MYOD1 target genes. Part of the SLC complex in germ cells, where it may play a role during spermatogenesis.[UniProtKB/Swiss-Prot Function]